



1635

HIGH-MU TWIN POWER TRIODE

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GENERAL DATA

Electrical:

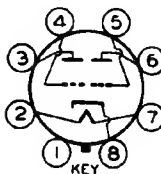
Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts
Current. 0.6 amp

Mechanical:

Mounting Position. Any
Maximum Overall Length 3-5/16"
Maximum Seated Length 2-3/4"
Maximum Diameter 1-5/16"
Bulb T-9
Base Intermediate-Shell Octal 8-Pin
Basing Designation for BOTTOM VIEW G-8B

Pin 1 - No
Connection
Pin 2 - Heater
Pin 3 - Plate of
Unit No. 2
Pin 4 - Grid of
Unit No. 2



Pin 5 - Grid of
Unit No. 1
Pin 6 - Plate of
Unit No. 1
Pin 7 - Heater
Pin 8 - Cathode

AF POWER AMPLIFIER - Class B

Maximum Ratings, Design-Center Values:

DC PLATE VOLTAGE 300 max. volts
PEAK PLATE CURRENT (per plate) 90 max. ma.
PLATE DISSIPATION (per plate) 3 max. watts
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode 90 max. volts
Heater positive with respect to cathode 90 max. volts

Typical Operation:

Values are for 2 units unless otherwise specified

DC Plate Voltage 300 300 volts
DC Grid Voltage. 0 0 volts
Peak AF Grid-to-Grid Voltage 70 108* volts
Zero-Signal DC Plate Current 6.6 6.6 ma.
Max.-Signal DC Plate Current 54 54 ma.
Peak Grid Current (per unit) 38 39 ma.
Plate-Supply Impedance 0 1000* ohms
Effective Load Resistance
(plate-to-plate) 12000 12000 ohms
Effective Grid-Circuit Impedance
(per unit) 0 516** ohms
Total Harmonic Distortion 4 5 %
Max.-Signal Power Output 10.4 10.4 watts

•, *, **: See next page.

← Indicates a change.

APRIL 15, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

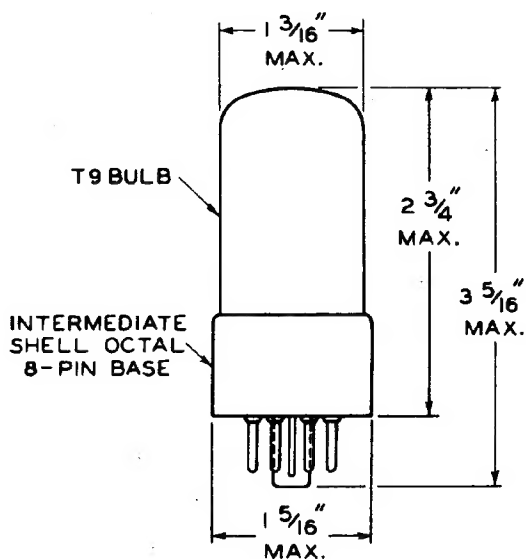
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- Includes peak voltage drop through the grid-circuit impedance.
- * Practical design value.
- ** At 400 cycles for class B stage in which the effective resistance per grid circuit is 500 ohms, and the leakage reactance of the coupling transformer is 50 millihenrys. The driver stage should be capable of supplying the grids of the class B stage with the specified values at low distortion.



92C-6393

APRIL 15, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

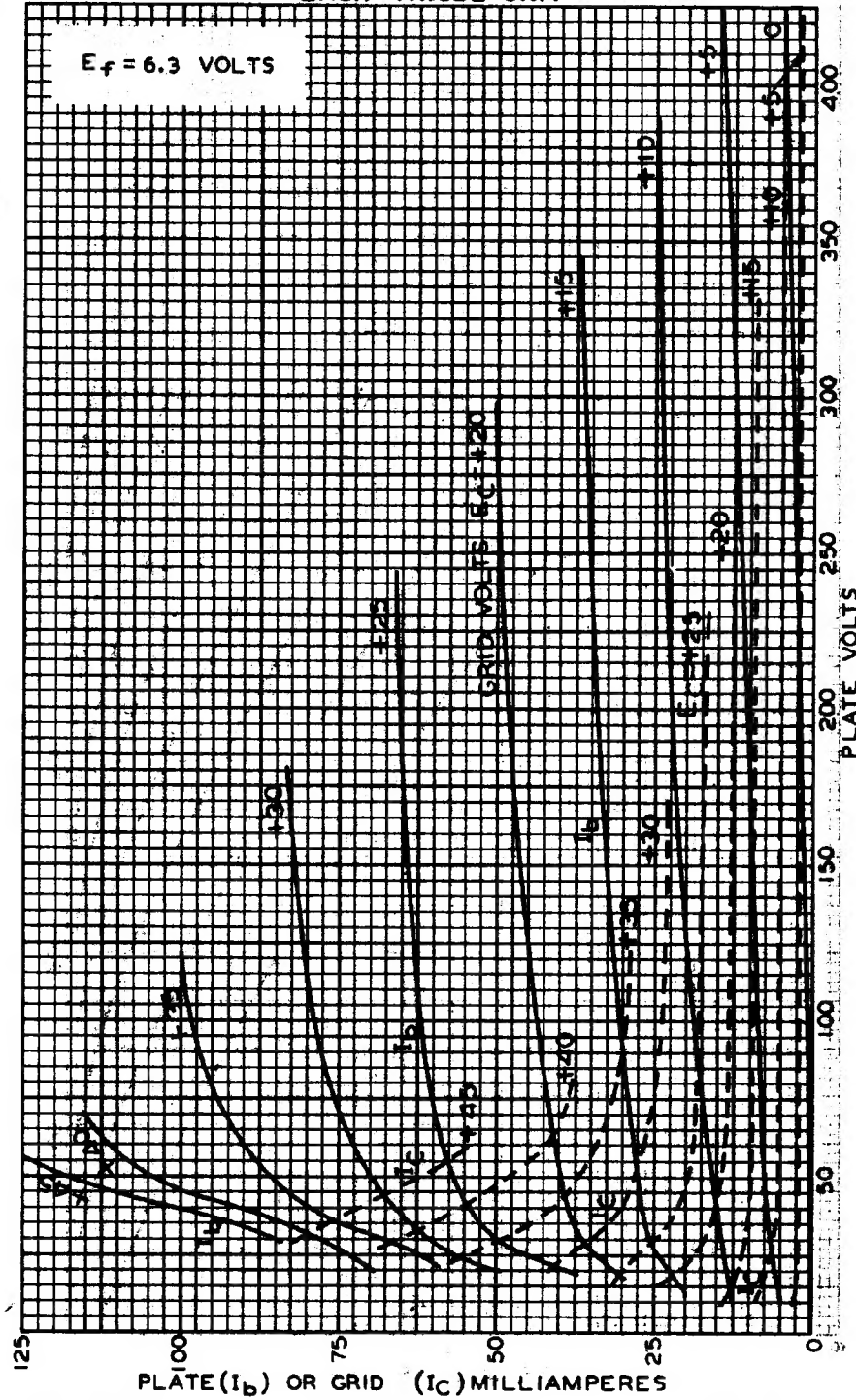
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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



FEB. 26, 1942

RCA RADIONRON DIVISION
RCA MANUFACTURING COMPANY, INC.

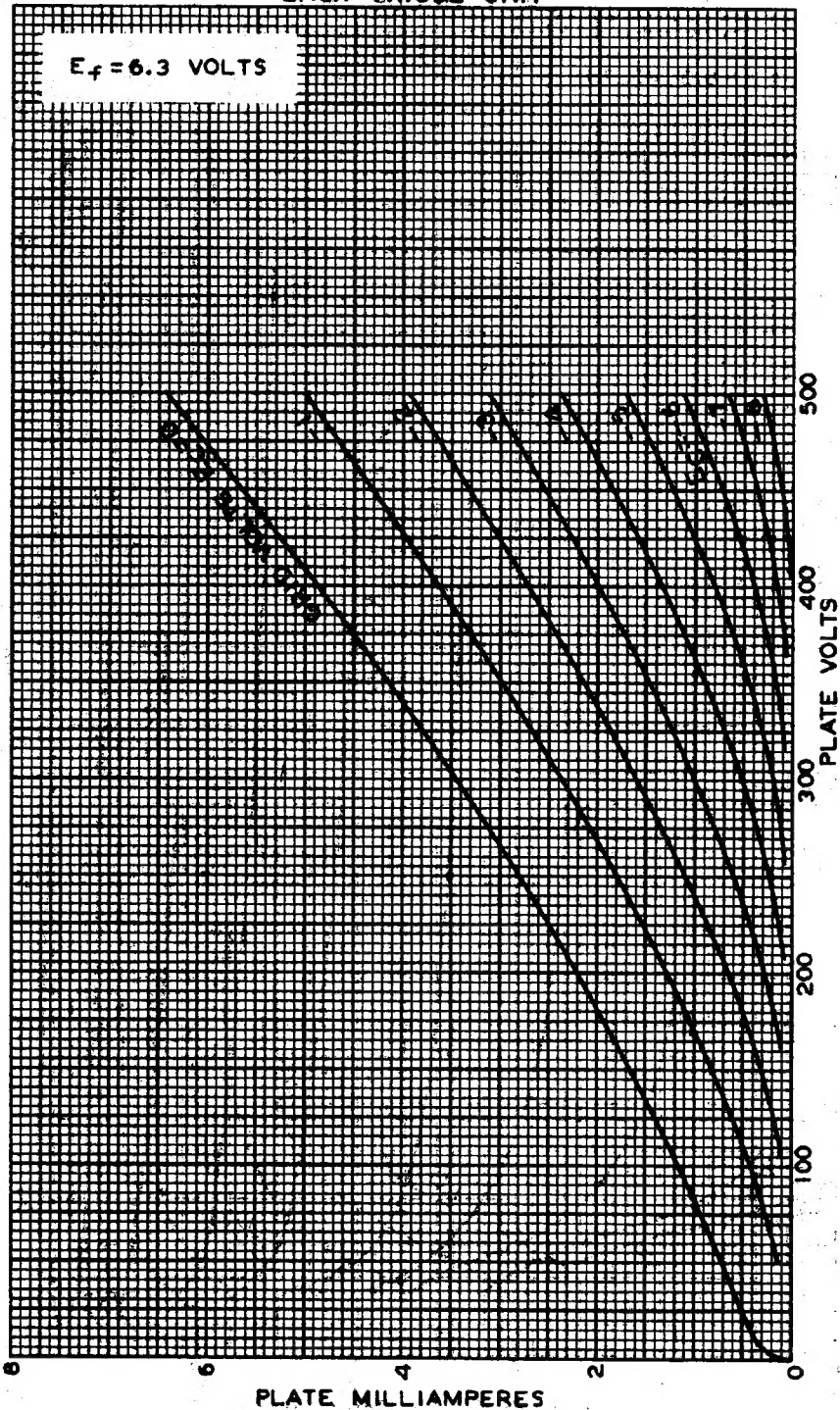
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AVERAGE PLATE CHARACTERISTICS EACH TRIODE UNIT



FEB. 27, 1942

RCA RADIONRON DIVISION
RCA MANUFACTURING COMPANY, INC.

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